

# STN CAPLUS Search Strategy

10/656,863 10/05/2005

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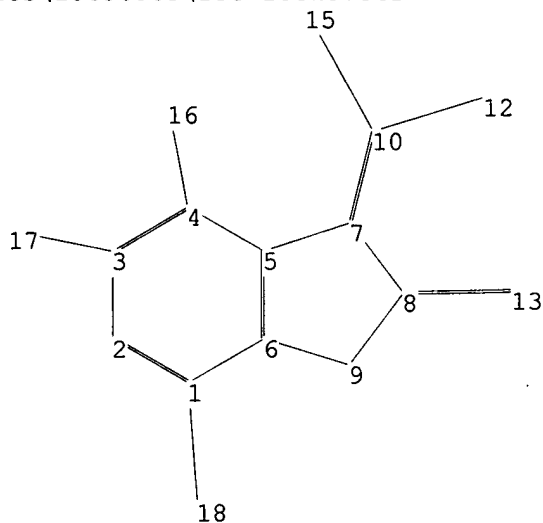
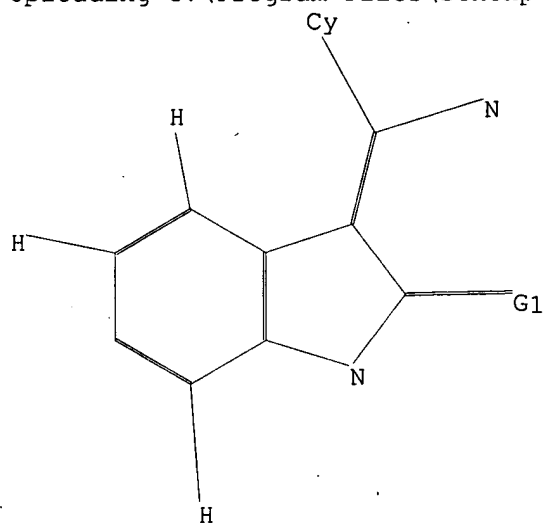
FILE COVERS 1907 - 5 Oct 2005 VOL 143 ISS 15  
FILE LAST UPDATED: 4 Oct 2005 (20051004/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

Uploading C:\Program Files\Stnexp\Queries\10656863\1st look5.str



chain nodes :  
10 12 13 15 16 17 18  
ring nodes :  
1 2 3 4 5 6 7 8 9  
chain bonds :  
1-18 3-17 4-16 7-10 8-13 10-12 10-15  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9  
exact/norm bonds :  
6-9 8-9 8-13 10-12 10-15  
exact bonds :  
1-18 3-17 4-16 5-7 7-8 7-10  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6  
isolated ring systems :  
containing 1 :

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
12:CLASS 13:CLASS 15:Atom 16:CLASS 17:CLASS 18:CLASS

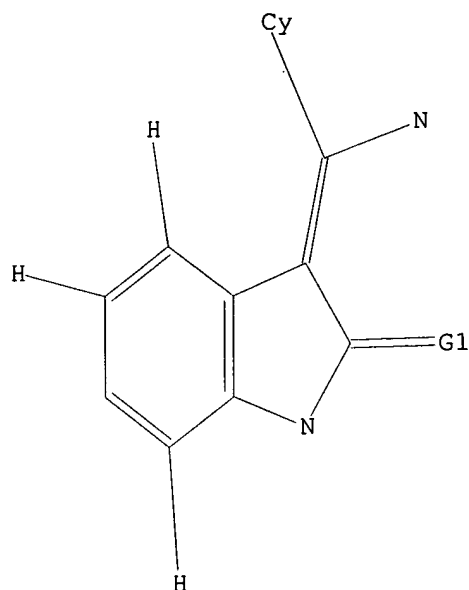
L1 STRUCTURE UPLOADED

=> D L1

L1 HAS NO ANSWERS

L1

STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> S L1

**REGISTRY INITIATED**

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 14:12:33 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 259 TO ITERATE

100.0% PROCESSED 259 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 4215 TO 6145  
PROJECTED ANSWERS: 1130 TO 2228

L2 50 SEA SSS SAM L1

L3 6 L2

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=> S L1 FULL

**REGISTRY INITIATED**

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 14:12:40 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 5144 TO ITERATE

100.0% PROCESSED 5144 ITERATIONS

1464 ANSWERS

SEARCH TIME: 00.00.01

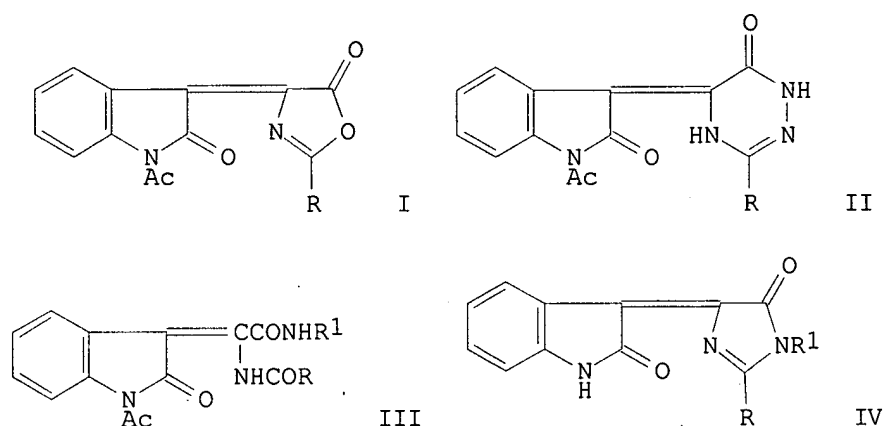
L4 1464 SEA SSS FUL L1

L5 25 L4

=> D IBIB HITSTR 1-25

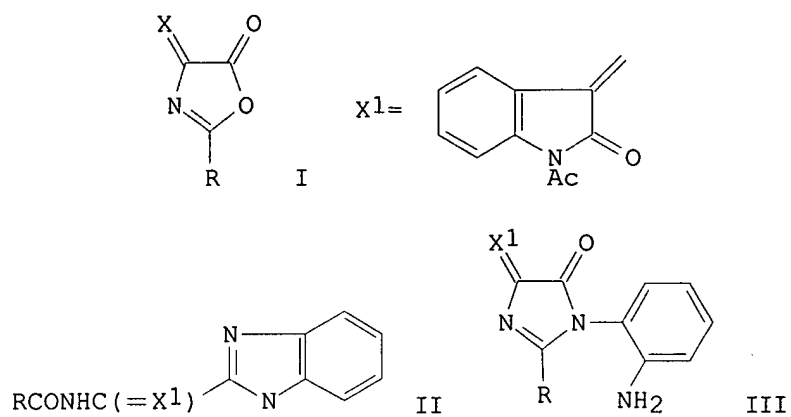
10/656,863

L10 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1992:255518 CAPLUS  
 DOCUMENT NUMBER: 116:255518  
 TITLE: Synthesis and some reactions of 4-(N-acetyloxindolylidene)-2-aryl-5(4H)-oxazolones  
 AUTHOR(S): Kandile, Nadia G.; Abdel Latif, Tahia M.; El Sayed, Wafaa A.  
 CORPORATE SOURCE: Univ. Coll. Women, Ain Shams Univ., Cairo, Egypt  
 SOURCE: Revue Roumaine de Chimie (1991), 36(1-3), 245-50  
 CODEN: RRCHAX; ISSN: 0035-3930  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 116:255518  
 GI



AB Oxazolones I (R = Ph, Et) were prepared by the condensation of isatin with acylglycines  $RCONHCH_2CO_2H$  under Perkin conditions. The hydrolysis of I gave the corresponding deacetyl derivs. The hydrazinolysis of I with hydrazine at room temperature gave cyclic hydrazides II. The aminolysis of I with  $H_2NR_1$  ( $R_1 = NHPh, CH_2Ph, Ph$ ) gave amides III. The cyclization of III in boiling 6N HCl gave lactams IV.

L10 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1991:81699 CAPLUS  
 DOCUMENT NUMBER: 114:81699  
 TITLE: Reaction of 2-aryl-4-(N-acetyloxindolylidene)oxazolin-5-ones with B-substituted amines  
 AUTHOR(S): Kandile, Nadia G.  
 CORPORATE SOURCE: Univ. Coll. Women, Ain Shams Univ., Heliopolis, Egypt  
 SOURCE: Oriental Journal of Chemistry (1989), 5(2), 139-42  
 CODEN: OJCHEG; ISSN: 0970-020X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 114:81699  
 GI



AB Oxazolinones I ( $\text{R} = \text{Ph}, \text{Me}, \text{X} = \text{X1}$ ) reacted with  $o\text{-(H}_2\text{N)}_2\text{C}_6\text{H}_4$  to give  $\text{RCONHC}(\text{:X1})\text{CONHC}_6\text{H}_4\text{NH}_2\text{-2}$  which were cyclized by  $\text{AcONa-AcOH}$  to benzimidazoles II. Treatment of I with  $o\text{-(H}_2\text{N)}_2\text{C}_6\text{H}_4$  and  $\text{AcONa}$  gave imidazoles III which were cyclized to the benzimidazoles by  $\text{AcONa-AcOH}$ . Similar results were obtained with  $o\text{-H}_2\text{NC}_6\text{H}_4\text{CO}_2\text{H}$ .

L10 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1968:443798 CAPLUS

DOCUMENT NUMBER: 69:43798

TITLE: Indole derivatives

INVENTOR(S): Teshigawara, Takashi; Kobayashi, Goro; Matsuda, Yoshiro

SOURCE: Jpn. Tokkyo Koho, 9 pp.

CODEN: JAXXAD

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 42024899	B4	19671129	JP	19651227
GI	For diagram(s), see printed CA Issue.				
AB	A mixture of 2 g. 3-[bis(methylthio)methylene]-2-oxindole, 10 ml. EtOH, and 1.5 g. ethylenediamine is heated 1 hr. to give 50% I [R = H, (R1R2 =) NHCH2CH2NH, pale yellow, m. >296°. Similarly prepared are the following I (R, R1, R2, and m.p. given): Me, (R1R2 =) NHCH2CH2NH, 256°; H, (R1R2 =) NHCH2CH2O, 261-3°; Me, (R1R2 =) NHCH2CH2O, 242°; Me, MeS, EtO2-CCH2NH, 133.5°; Me, MeS, H2NC(:NH)NH, 236°; H, NH2NH, NH2NH, 183-4°; Me, MeS, cyclohexylamino, 90-1°; Me, Bu2N, NH2NH, 168-9°; H, MeS, PhNH, 167-8°; Me, MeS, PhNH, 124-8°; H, PhNH, 212-13°; H, MeS, morpholino, 234-6°; H, morpholino, morpholino, 300°; Me, MeS, MeS, 174-6°; Me, 1-piperidinyl, NH2NH, 188-90°. The products are bactericides and anti-virus drugs.				